BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Improvements to Roads, Drains and Covering Slab at Nanjappa Layout 6th Cross Road Right Side in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.**

			Estimate Cost:					1500000.00	
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-2 : Earth work excavation by manual means in Hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3 **Page No. 138 / Item No. 19.2 / PWD SR 2014-15**	Cum							
	For New Drain 6th Cross RHS		2	95.00	1.00	0.90	171.00		
	Opp Road		2	19.00	1.00	0.90	34.20		
							205.20	105.84	**21718.00**
	Basic Rate	98.00							
	Area Weightage @8%	7.84							
	Total	**105.84**							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12/ Item No. 4.3/ PWD SR 2014-15**	Cum							
	For New Drain 6th Cross RHS		2	95.00	1.00	0.15	28.50		
	Opp Road		2	19.00	1.00	0.15	5.70		
							34.20	4847.04	**165769.00**
	Basic Rate	4488.00							
	Area Weightage @ 8%	359.04							
	Total	**4847.04**							
3	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface such as walls at any thickness**, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 15 / Item No. 4.31/ PWD SR 2014-15**	Sqm							
	For New Drain 6th Cross RHS		2x4	95.00		0.60	456.00		
	Opp Road		2x4	19.00		0.60	91.20		
							547.20	292.68	**160154.00**
	Basic Rate	271.00							
	Area Weightage @ 8%	21.68							
	Total	**292.68**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
4	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, **No. 13/ Item No. 4.11/ PWD SR 2014-15**	Cum							
	Bottom		2	95.00	0.90	0.15	25.65		
			2	19.00	0.90	0.15	5.13		
	Side Walls		4	95.00	0.15	0.60	34.20		
			4	19.00	0.15	0.60	6.84		
							71.82	6065.28	**435608.00**
	Basic Rate	5616.00							
	Area Weightage @ 8%	449.28							
	Total	**6065.28**							
5	KSRB 4.9.1: **Providing mild steel reinforcement** for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 **Page No. 17 / Item No. 4.45 / PWD SR 2014-15**	Qtl							
	Consider 60 Kg/Cum		0.60	71.82			**43.09**	7975.80	**343693.00**
	Basic Rate	7385.00							
	Area Weightage 8%	590.80							
	Total	**7975.80**							
6	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete7.5 cms thick **Page No. 25 / Item No. 5.31.1 / PWD SR 2014-15**	Sqm							
	For New Drain 6th Cross RHS		2	95.00		0.90	171.00		
	Opp Road		2	19.00		0.90	34.20		
				95.00			**205.20**	642.60	**131862.00**
	Basic Rate	595.00							
	Area Weightage @ 8%	47.60							
	Total	**642.60**							
7	KSRB 5-9: Providing chamfering edges to stone slab 2.5cms. wide as per specifications. (only chamfered length shall be recorded) KBS 5.1.13 **Page No. 24 / Item No. 5.22 / PWD SR 2014-15**	m							
			380	3.00			**1140.00**	32.40	**36936.00**
	Basic Rate	30.00							
	Area Weightage @ 8%	2.40							
	Total	**32.40**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
8	KSRB 5-8.2 : Providing two line dressing to granite stone slab / granite stone masonry as per specifications. KBS 5-1.13 **Page No. 24 / Item No. 5.18 / PWD SR 2014-15**	Sqm							
			Qty wide item No.				205.20		
						(6)	**205.20**	851.04	**174633.00**
	Basic Rate	788.00							
	Area Weightage @ 8%	63.04							
	Total	**851.04**							
9	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km	Cum							
			Vide Item No. 1				**194.94**	73.57	**14342.00**
	Average weight of earth 1.28 tonne / kg for 2.00X1.28X2.00 = 5.12	5.12							
	PWD SR 2014-15 (P.130 / I.17.1) For loading and unloading	63.00							
		68.12							
	Area Weightage @ 8%	5.45							
	Total	**73.57**							
10	Sub Total								**1484715.00**
11	Third Party Inspection Charges @ 1%								**14847.00**
12	Miscellaneous and other Charges	L/S							**438.00**
								Total	**1500000.00**

(Rs. Fifteen Lakhs Only)

Administrative approval for Rs. 15.00 L
Fifteen Lakhs only
recorded under head P-1771
registered as EE No: ... Subject to conditions contained enclosed memo No: ... Dt ...
AE/JE
EE (BTP. Div.)

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2014-15.
3 This work included under 2014-15 T and F Grant.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

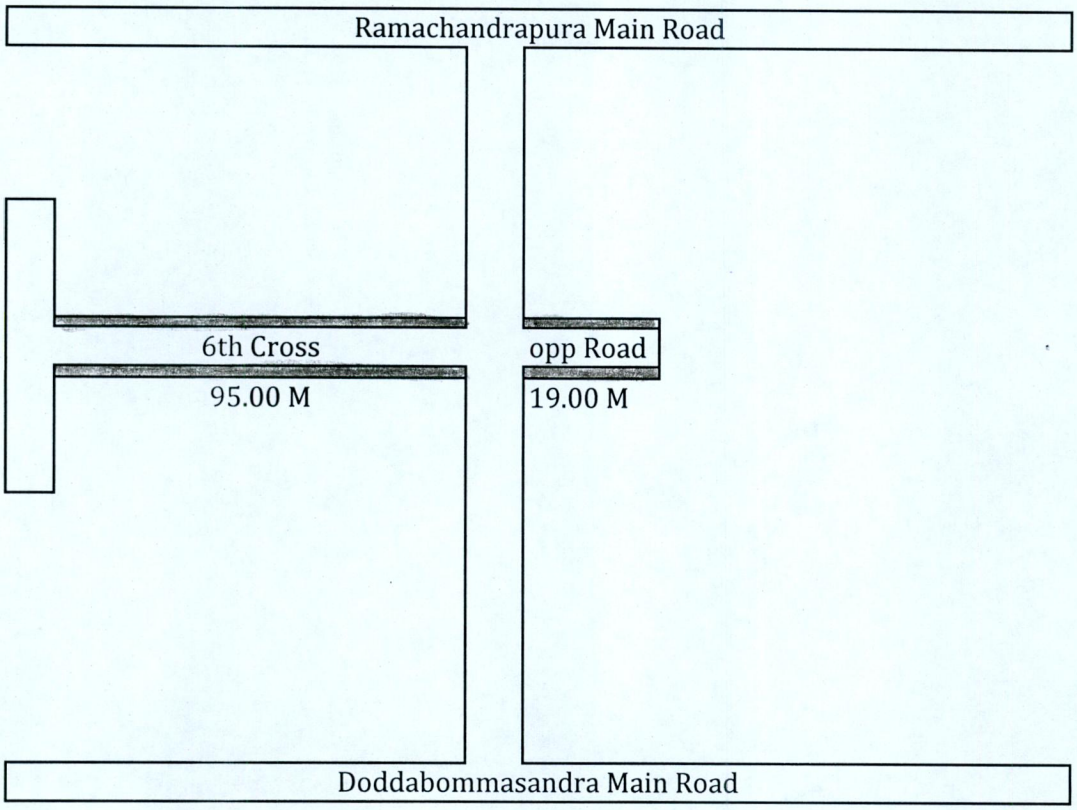
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVELY SANCTIONED FOR Rs. ...
Rupees ...
Under ...
Registered as EE ( ) No 9 ...
Subject to conditions contained in enclosed memo EE ( ) No /9/...
Dt ... Estimate A/Sanctioned No 1087
dated 4-12-2014 Rs 15.00 Lakhs

Joint Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92.

Technical Sanction for Rs. 15.00 Lakhs
Rupees Fifteen Lakhs only.
P-1771
Registered as EE No: 178 Dated 29/10/14 Subject to conditions contained enclosed memo.
No: TS/EE/178/14-15 Dt 29/10/14
AE/JE
EE (BTP. Div.)

Name of Work: Improvements to Roads, Drains and Covering Slab at Nanjappa Layout 6th Cross Road Right Side in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.



- CC Drain with BS Covering Slab

Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Vidyaranyapura Sub Division